

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N102022W.M
 Title : SW846 8260
 Last Update : Fri Oct 21 09:37:47 2022
 Response Via : Initial Calibration

Calibration Files

1 =VN074939.D 5 =VN074947.D 10 =VN074941.D 20 =VN074942.D 50 =VN074943.D 75 =VN074948.D

	Compound	1	5	10	20	50	75	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.855	0.898	0.827	0.767	0.661	0.682	0.782	12.24
3) P	Chloromethane	1.605	1.163	1.054	0.923	0.806	0.774	1.054	29.17
4) C	Vinyl Chloride	1.666	1.659	1.467	1.301	1.206	1.191	1.415	15.25#
5) T	Bromomethane		1.546	1.078	1.038	0.969	0.965	1.119	21.73
6) T	Chloroethane	1.521	1.316	1.136	1.015	0.928	0.894	1.135	21.46
7) T	Trichlorofluor...	1.949	1.655	1.567	1.352	1.246	1.287	1.509	17.81
8) T	Diethyl Ether	0.698	0.677	0.597	0.537	0.506	0.540	0.593	13.42
9) T	1,1,2-Trichlor...	1.127	1.043	0.886	0.820	0.744	0.758	0.896	17.50
10) T	Methyl Iodide		1.226	1.155	1.082	1.050	1.076	1.118	6.43
11) T	Tert butyl alc...		0.320	0.292	0.267	0.263	0.263	0.281	8.96
12) CM	1,1-Dichloroet...	1.136	0.918	0.759	0.709	0.670	0.685	0.813	22.40#
13) T	Acrolein		0.215	0.138	0.144	0.133	0.137	0.154	22.59
14) T	Allyl chloride	1.264	1.414	1.202	1.150	1.107	1.162	1.217	9.06
15) T	Acrylonitrile	0.533	0.634	0.583	0.552	0.544	0.562	0.568	6.43
16) T	Acetone	0.765	0.568	0.604	0.538	0.467	0.435	0.563	20.82
17) T	Carbon Disulfide	2.409	2.102	1.615	1.489	1.380	1.398	1.732	24.55
18) T	Methyl Acetate	1.884	1.795	1.820	1.574	1.497	1.553	1.687	9.73
19) T	Methyl tert-bu...	3.334	3.542	3.178	3.010	3.061	3.229	3.226	6.00
20) T	Methylene Chlo...	1.630	1.230	1.042	0.929	0.876	0.893	1.100	26.46
21) T	trans-1,2-Dich...	1.109	1.035	0.875	0.785	0.759	0.827	0.898	15.81
22) T	Diisopropyl ether	2.915	2.990	2.804	2.671	2.601	2.722	2.784	5.33
23) T	Vinyl Acetate	2.095	2.315	2.185	2.143	2.143	2.268	2.191	3.83
24) P	1,1-Dichloroet...	1.755	1.887	1.786	1.649	1.595	1.656	1.721	6.26
25) T	2-Butanone	0.871	0.881	0.826	0.775	0.748	0.755	0.809	7.26
26) T	2,2-Dichloropr...	1.888	1.680	1.576	1.521	1.541	1.555	1.627	8.58
27) T	cis-1,2-Dichlo...	1.254	1.259	1.050	1.037	1.024	1.072	1.116	9.88
28) T	Bromochloromet...	0.708	0.616	0.776	0.743	0.711	0.749	0.717	7.73
29) T	Tetrahydrofuran	0.513	0.542	0.498	0.484	0.474	0.484	0.499	5.04
30) C	Chloroform	2.244	2.014	1.903	1.811	1.795	1.904	1.945	8.54#
31) T	Cyclohexane		1.663	1.353	1.326	1.202	1.243	1.357	13.37
32) T	1,1,1-Trichlor...	2.032	1.793	1.681	1.637	1.625	1.732	1.750	8.66
33) S	1,2-Dichloroet...		1.481	1.273	1.344	1.248	1.296	1.328	6.94
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.609	0.571	0.640	0.556	0.600	0.595	5.55
36) T	1,1-Dichloropr...	0.926	0.798	0.693	0.712	0.657	0.712	0.749	13.10
37) T	Ethyl Acetate	0.907	1.011	0.886	0.880	0.778	0.832	0.883	8.86
38) T	Carbon Tetrach...	0.947	0.842	0.755	0.796	0.751	0.805	0.816	8.90
39) T	Methylcyclohexane	1.067	0.908	0.791	0.879	0.815	0.867	0.888	11.00
40) TM	Benzene	2.695	2.438	2.180	2.256	2.087	2.207	2.311	9.57
41) T	Methacrylonitrile	0.493	0.494	0.410	0.425	0.405	0.431	0.443	9.09
42) TM	1,2-Dichloroet...	0.958	0.971	0.841	0.885	0.776	0.817	0.875	8.92
43) T	Isopropyl Acetate	1.431	1.458	1.358	1.354	1.273	1.339	1.369	4.87
44) TM	Trichloroethene	0.696	0.609	0.527	0.542	0.496	0.533	0.567	12.87
45) C	1,2-Dichloropr...	0.658	0.631	0.582	0.583	0.540	0.580	0.596	7.06#
46) T	Dibromomethane	0.442	0.486	0.432	0.427	0.400	0.425	0.436	6.53
47) T	Bromodichlorom...	1.002	0.864	0.843	0.874	0.826	0.870	0.880	7.09
48) T	Methyl methacr...	0.565	0.622	0.603	0.627	0.566	0.609	0.599	4.52
49) T	1,4-Dioxane	0.016	0.018	0.018	0.017	0.017	0.017	0.017	4.40
50) S	Toluene-d8		2.255	2.101	2.452	2.199	2.411	2.283	6.42
51) T	4-Methyl-2-Pen...	0.891	0.924	0.932	0.911	0.870	0.912	0.907	2.50
52) CM	Toluene	1.658	1.558	1.420	1.467	1.410	1.533	1.508	6.27#
53) T	t-1,3-Dichloro...	0.809	0.879	0.798	0.901	0.870	0.951	0.868	6.60
54) T	cis-1,3-Dichlo...	1.091	0.924	0.933	0.947	0.899	0.965	0.960	7.08
55) T	1,1,2-Trichlor...	0.666	0.646	0.630	0.608	0.606	0.641	0.633	3.64
56) T	Ethyl methacry...	0.894	0.920	0.979	0.970	0.922	1.030	0.953	5.23

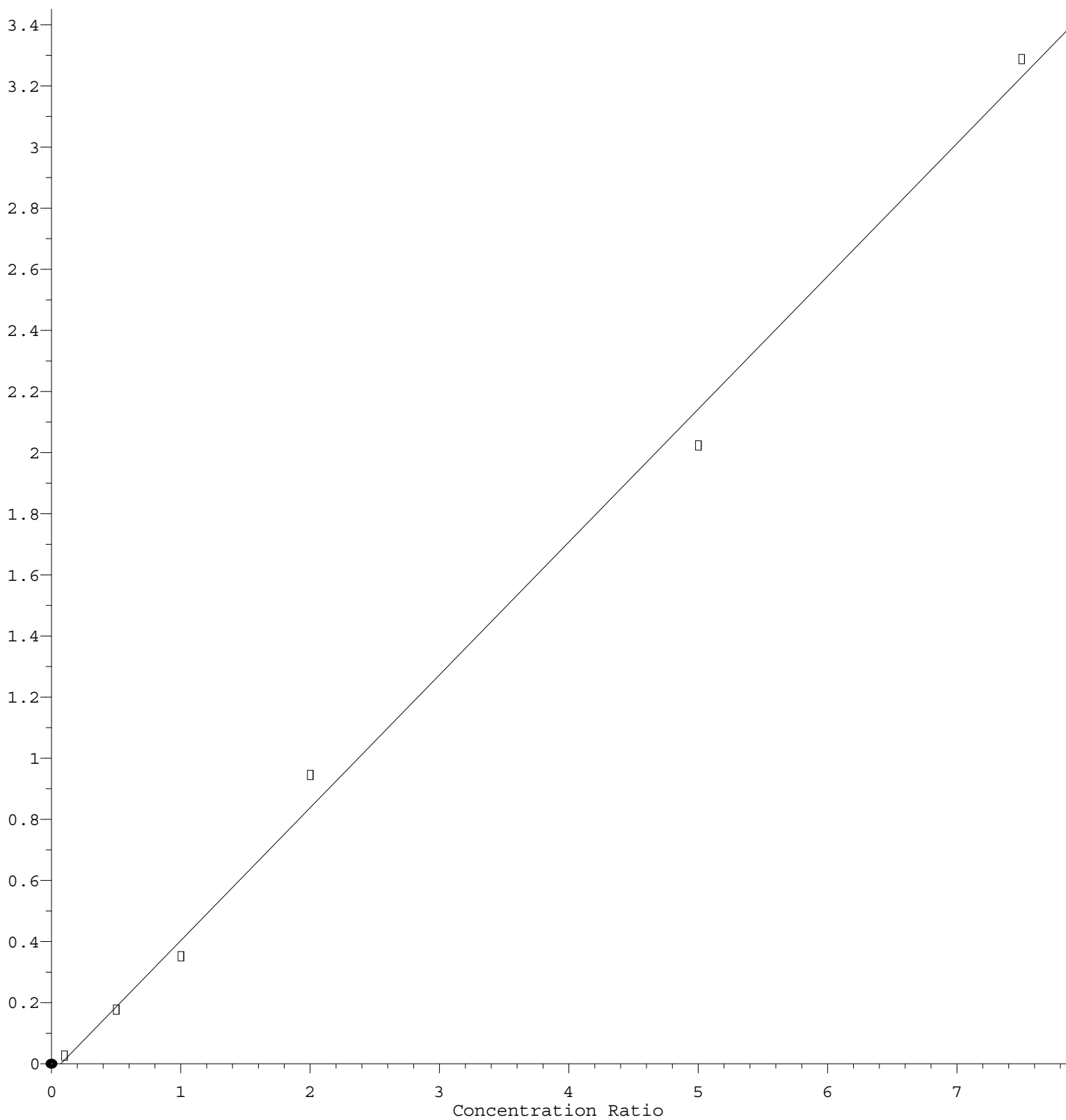
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
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57)	T	1,3-Dichloropr...	1.171	1.097	1.055	1.063	0.995	1.063	1.074	5.39
58)	T	2-Chloroethyl ...	0.265	0.354	0.352	0.473	0.405	0.438	0.381	19.41
59)	T	2-Hexanone	0.645	0.702	0.703	0.709	0.672	0.695	0.688	3.54
60)	T	Dibromochlorom...	0.687	0.628	0.631	0.661	0.646	0.731	0.664	5.94
61)	T	1,2-Dibromoethane	0.660	0.666	0.591	0.636	0.606	0.668	0.638	5.14
62)	S	4-Bromofluorob...	0.801	0.677	0.845	0.800	0.904	0.805		10.37
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.514	0.433	0.410	0.391	0.346	0.360	0.409	14.81
65)	PM	Chlorobenzene	1.755	1.574	1.422	1.455	1.380	1.485	1.512	8.97
66)	T	1,1,1,2-Tetrac...	0.617	0.571	0.558	0.552	0.541	0.579	0.570	4.71
67)	C	Ethyl Benzene	2.896	2.729	2.567	2.672	2.548	2.696	2.684	4.69#
68)	T	m/p-Xylenes	1.054	1.093	0.991	1.040	1.005	1.097	1.047	4.19
69)	T	o-Xylene	1.027	1.113	0.990	1.036	1.021	1.104	1.048	4.68
70)	T	Styrene	1.485	1.654	1.607	1.679	1.698	1.848	1.662	7.16
71)	P	Bromoform	0.441	0.399	0.415	0.424	0.422	0.480	0.430	6.55
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.114	4.642	4.329	4.023	3.612	3.783	4.084	9.09
74)	T	N-amyl acetate	1.769	1.801	1.778	1.643	1.427	1.429	1.641	10.61
75)	P	1,1,2,2-Tetrac...	1.679	1.751	1.711	1.464	1.278	1.267	1.525	14.39
76)	T	1,2,3-Trichlor...	1.576	1.518	1.478	1.295	1.134	1.135	1.356	14.43
77)	T	Bromobenzene	1.131	1.023	0.963	0.876	0.791	0.835	0.937	13.61
78)	T	n-propylbenzene	5.305	5.234	4.834	4.728	4.233	4.345	4.780	9.24
79)	T	2-Chlorotoluene	3.411	3.325	3.029	2.845	2.557	2.597	2.961	12.17
80)	T	1,3,5-Trimethy...	3.579	3.945	3.670	3.496	3.207	3.269	3.528	7.70
81)	T	trans-1,4-Dich...	0.425	0.437	0.417	0.417	0.419	0.423		2.02
82)	T	4-Chlorotoluene	3.411	3.325	3.029	2.845	2.557	2.597	2.961	12.17
83)	T	tert-Butylbenzene	3.068	3.506	3.279	3.042	2.859	2.977	3.122	7.47
84)	T	1,2,4-Trimethy...	3.629	3.891	3.617	3.554	3.285	3.403	3.563	5.86
85)	T	sec-Butylbenzene	4.374	4.693	4.412	4.412	4.136	4.273	4.383	4.22
86)	T	p-Isopropyltol...	3.576	3.815	3.493	3.653	3.442	3.680	3.610	3.75
87)	T	1,3-Dichlorobe...	1.780	1.996	1.769	1.776	1.655	1.774	1.792	6.20
88)	T	1,4-Dichlorobe...	1.922	2.020	1.798	1.766	1.649	1.744	1.817	7.34
89)	T	n-Butylbenzene	3.100	3.138	3.033	3.176	2.975	3.074	3.083	2.34
90)	T	Hexachloroethane	0.761	0.793	0.706	0.656	0.629	0.651	0.699	9.42
91)	T	1,2-Dichlorobe...	2.103	1.942	1.807	1.758	1.662	1.748	1.837	8.70
92)	T	1,2-Dibromo-3-...	0.298	0.357	0.338	0.301	0.302	0.306	0.317	7.79
93)	T	1,2,4-Trichlor...	0.809	0.846	0.791	0.788	0.757	0.804	0.799	3.64
94)	T	Hexachlorobuta...	0.496	0.439	0.415	0.403	0.357	0.366	0.413	12.39
95)	T	Naphthalene	2.678	3.484	2.928	2.943	2.983	3.210	3.038	9.11
96)	T	1,2,3-Trichlor...	0.834	0.880	0.794	0.774	0.748	0.796	0.804	5.81

(#) = Out of Range

2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 4.348\text{e-}001 * \text{Amt} - 3.138\text{e-}002$$

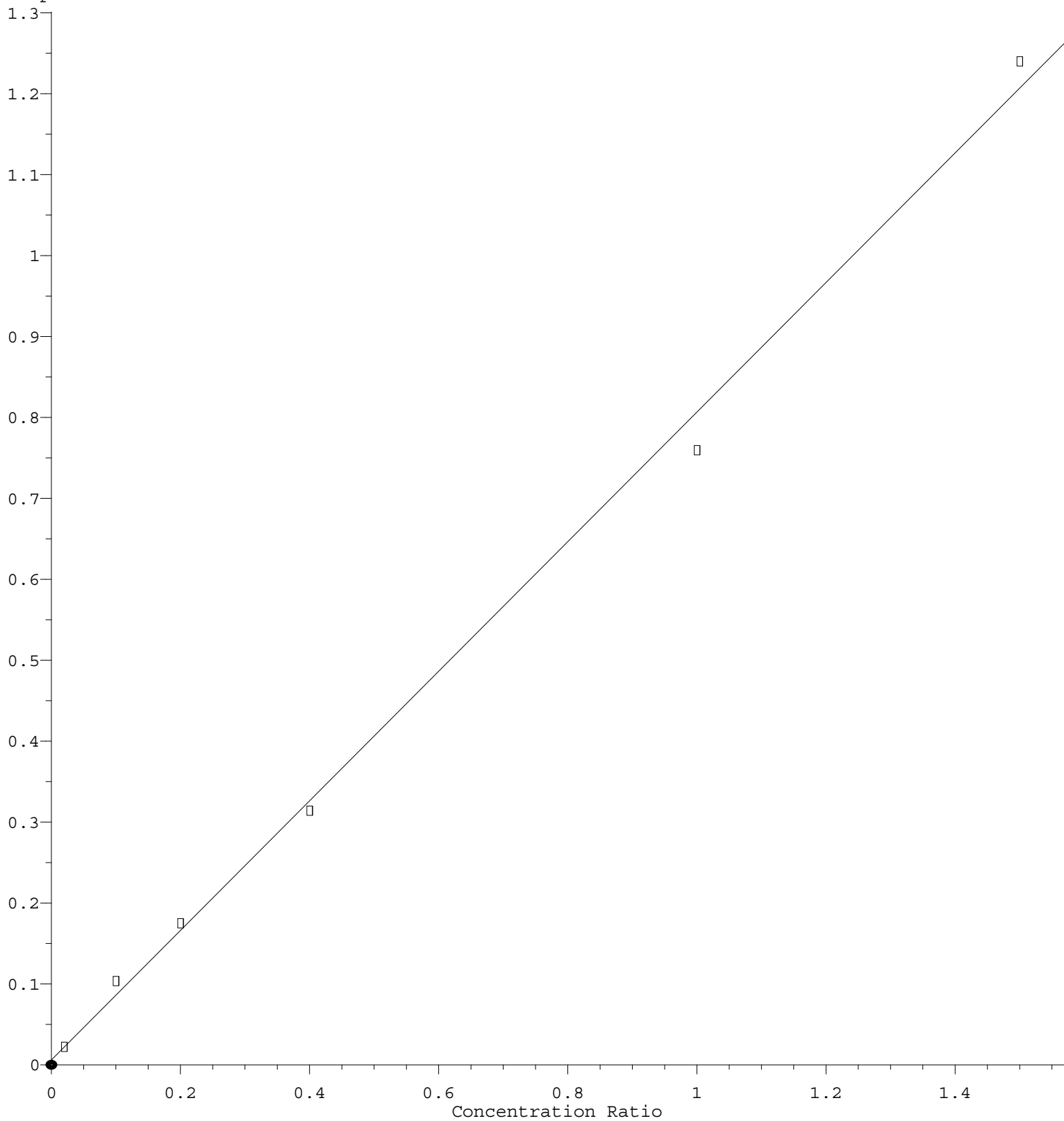
Coef of Det (r^2) = 0.996113 Curve Fit: Linear

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trans-1,2-Dichloroethene

Response Ratio



$$\text{Response} = 8.011\text{e-}001 * \text{Amt} + 5.747\text{e-}003$$

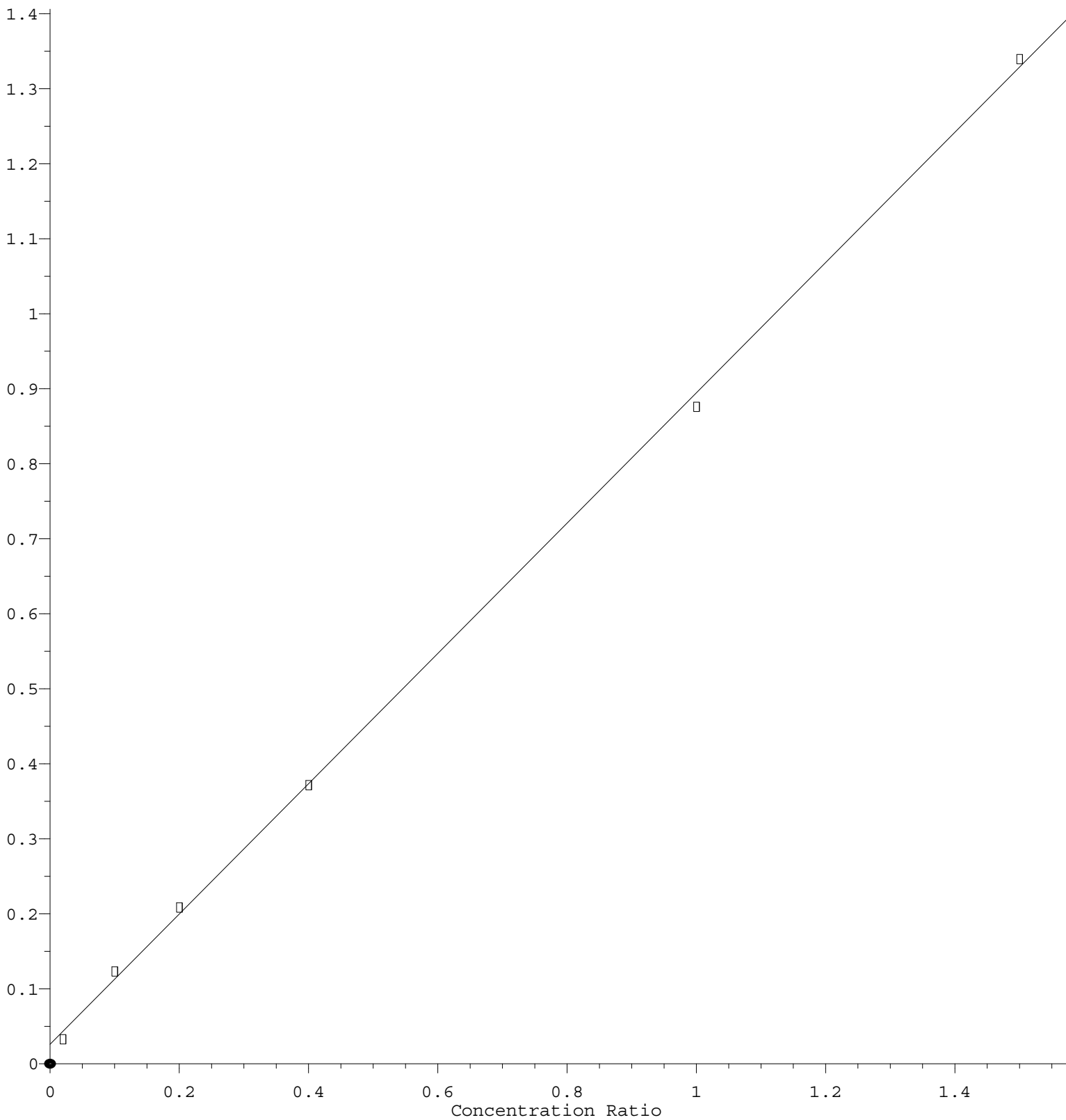
Coef of Det (r^2) = 0.996551 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N102022W.M

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Methylene Chloride

Response Ratio



$$\text{Response} = 8.685\text{e-}001 * \text{Amt} + 2.566\text{e-}002$$

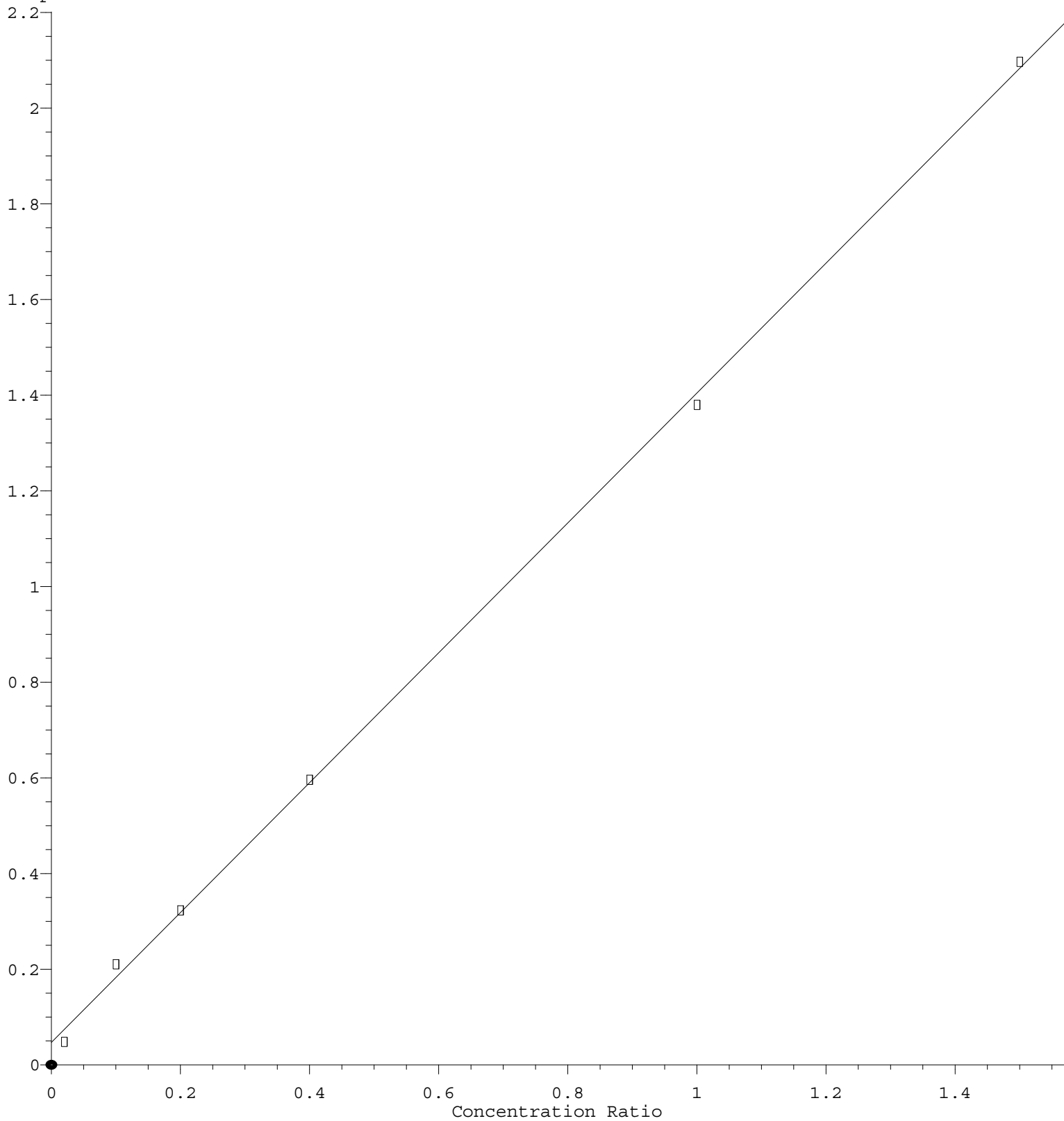
Coef of Det (r^2) = 0.999418 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N102022W.M

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Carbon Disulfide

Response Ratio



$$\text{Response} = 1.358\text{e}+000 * \text{Amt} + 4.685\text{e}-002$$

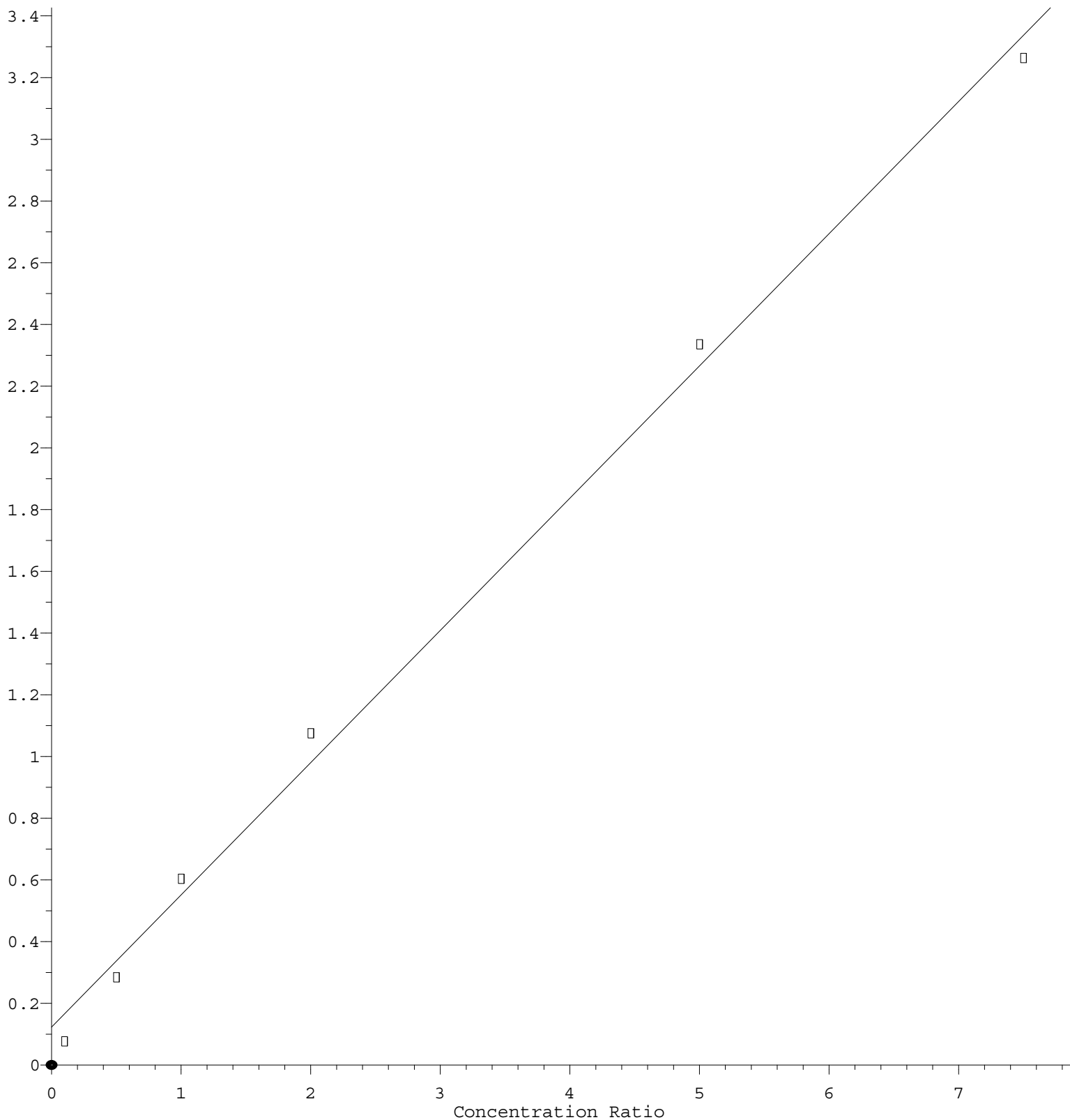
Coef of Det (r^2) = 0.999287 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N102022W.M

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Acetone

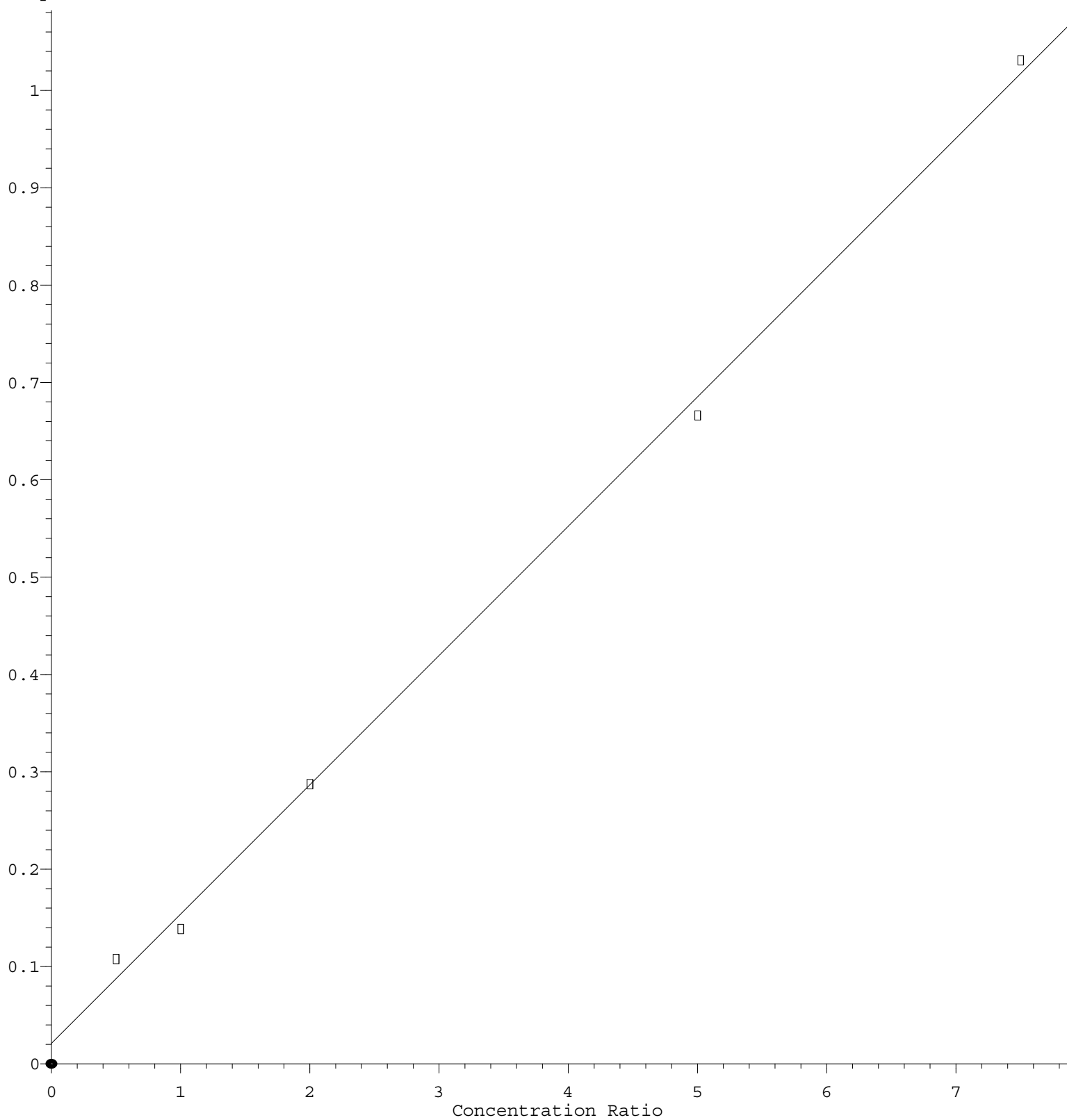
Response Ratio



Response = 4.286e-001 * Amt + 1.230e-001
 Coef of Det (r^2) = 0.995885 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N102022W.M
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Acrolein

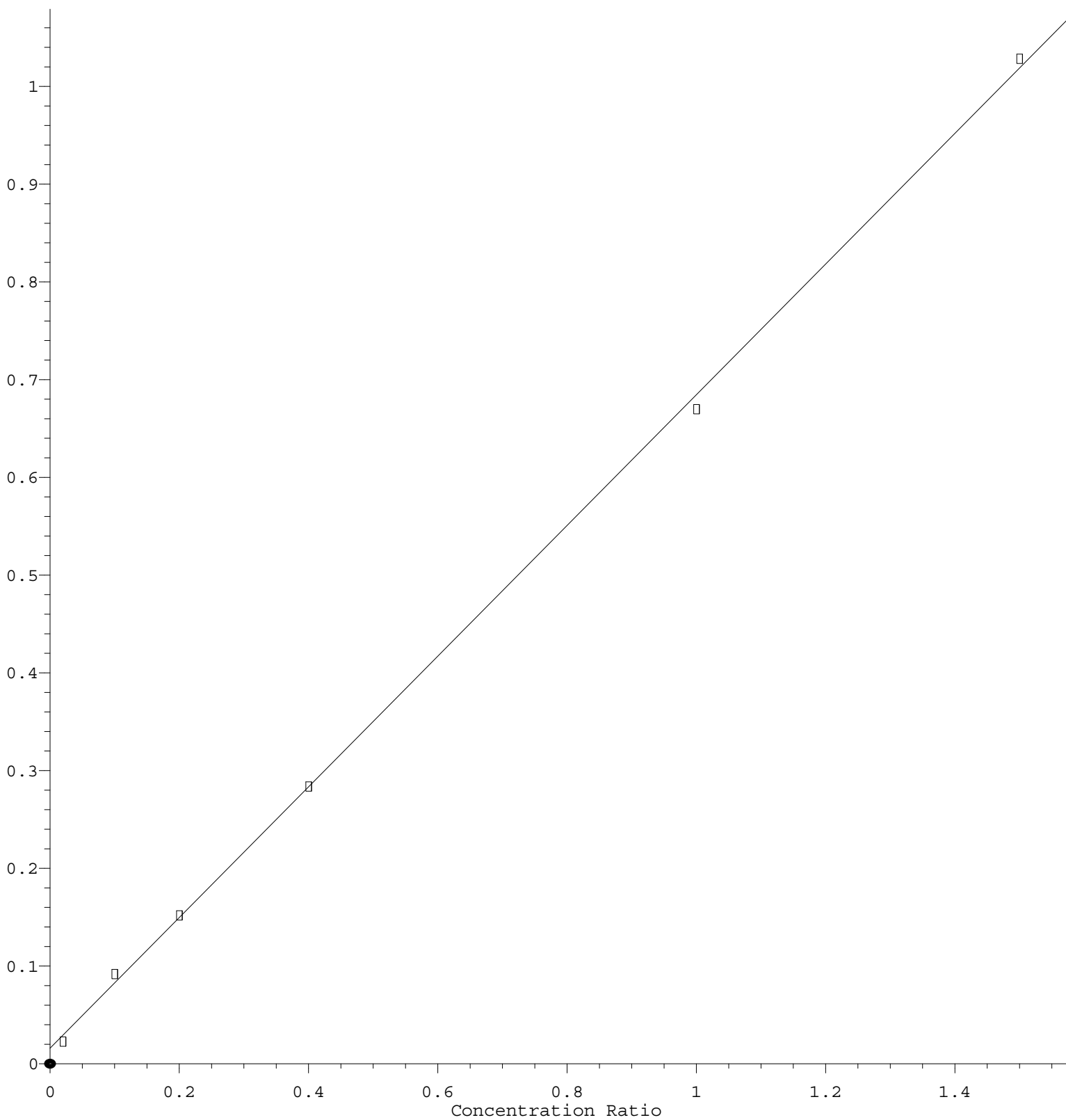
Response Ratio



Response = 1.329e-001 * Amt + 2.077e-002
 Coef of Det (r^2) = 0.998079 Curve Fit: Linear
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1,1-Dichloroethene

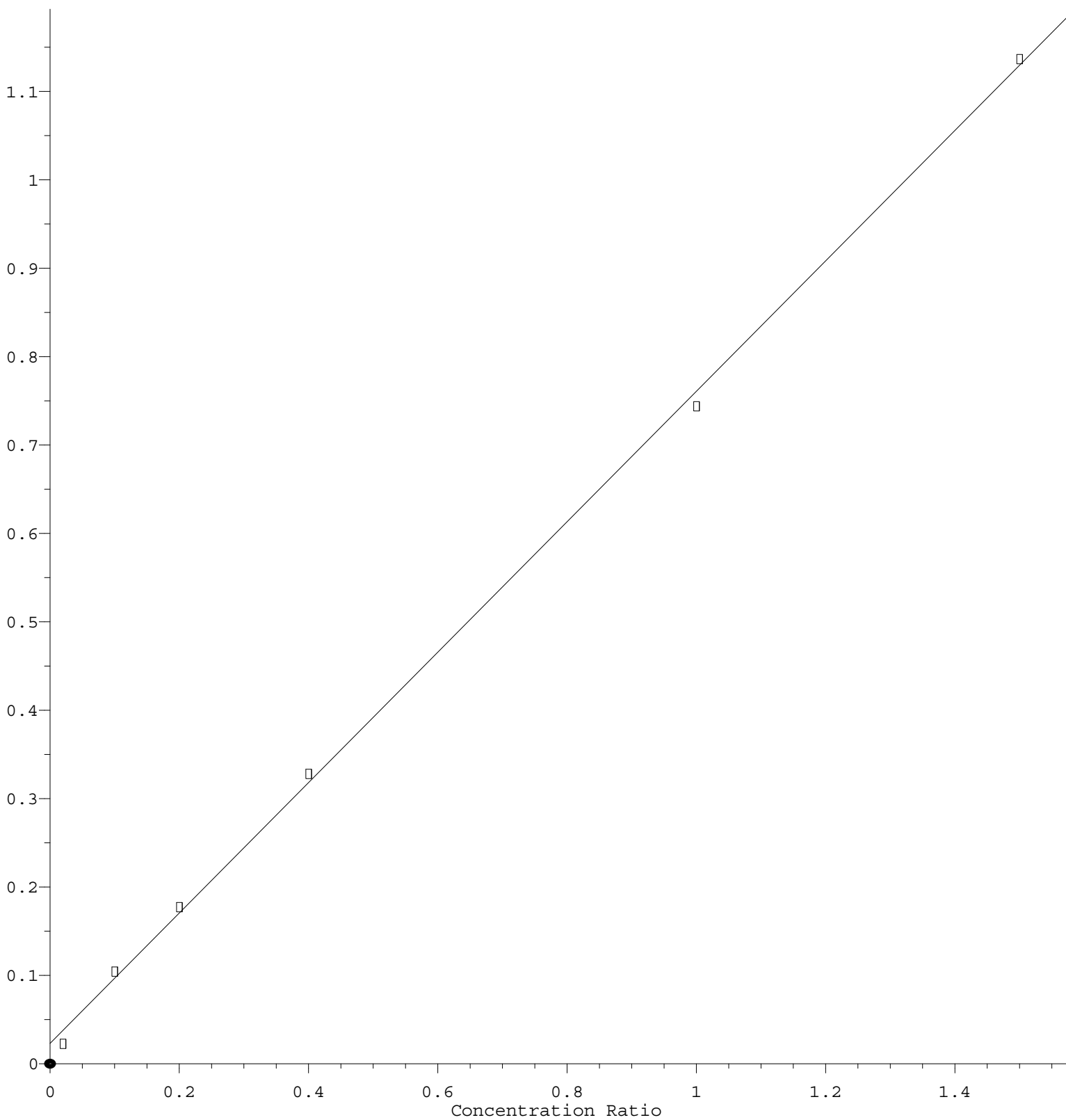
Response Ratio



Response = 6.691e-001 * Amt + 1.556e-002
 Coef of Det (r^2) = 0.999436 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N102022W.M
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1,1,2-Trichlorotrifluoroethane

Response Ratio



$$\text{Response} = 7.376\text{e-}001 * \text{Amt} + 2.281\text{e-}002$$

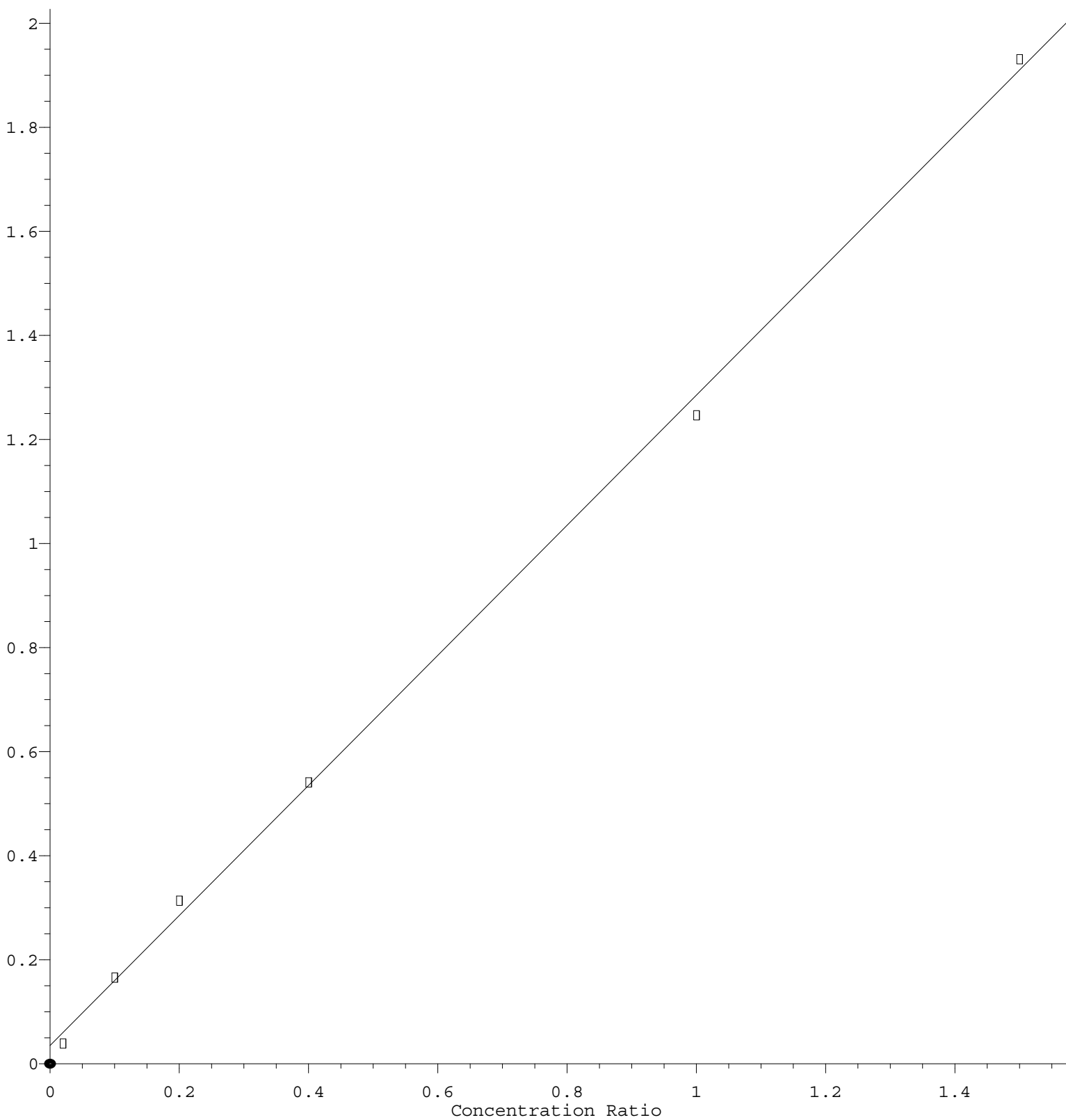
Coef of Det (r^2) = 0.999195 Curve Fit: Linear

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Trichlorofluoromethane

Response Ratio



$$\text{Response} = 1.250\text{e}+000 * \text{Amt} + 3.511\text{e}-002$$

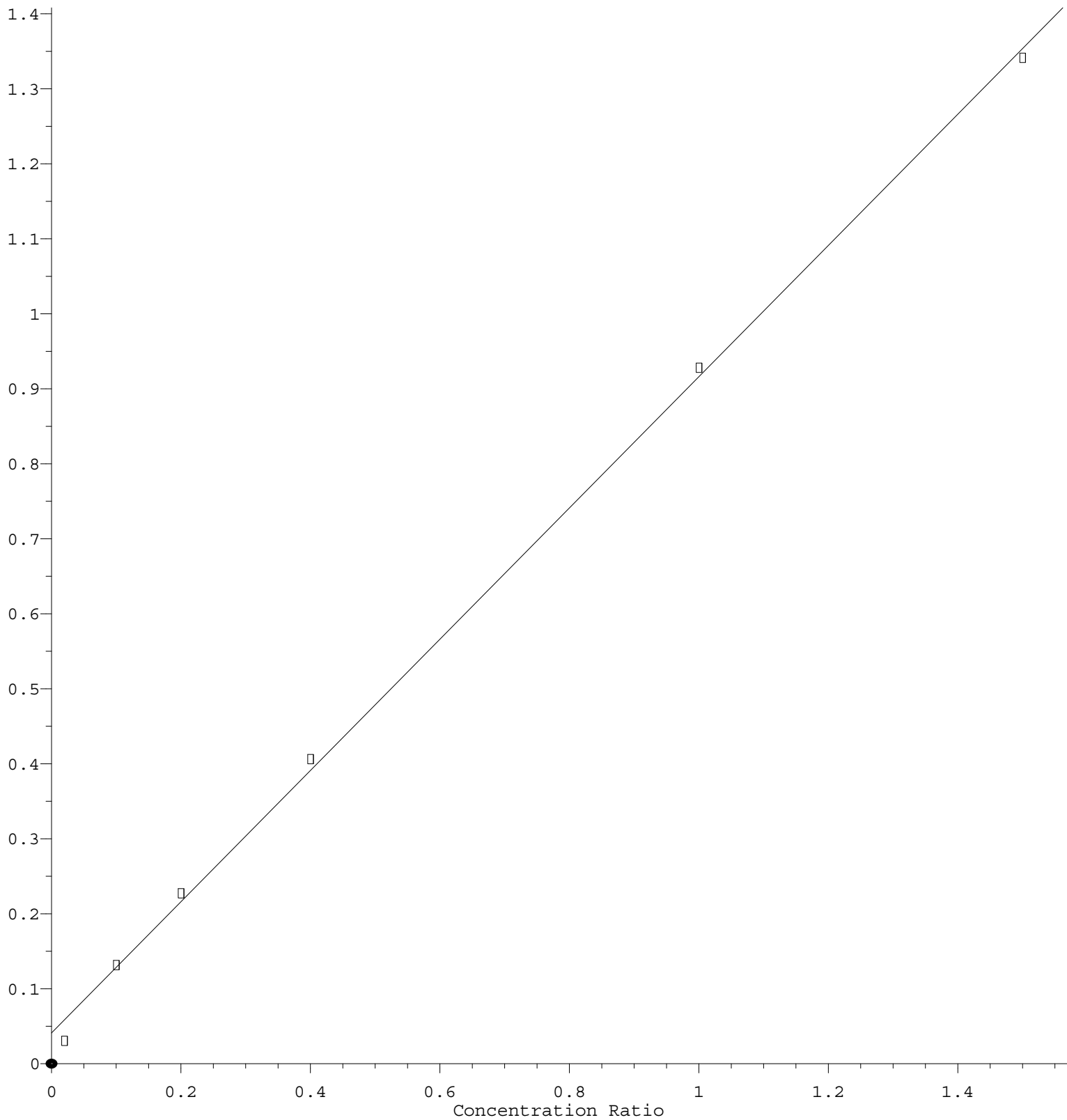
Coef of Det (r^2) = 0.998803 Curve Fit: Linear

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Chloroethane

Response Ratio



$$\text{Response} = 8.756\text{e-}001 * \text{Amt} + 4.084\text{e-}002$$

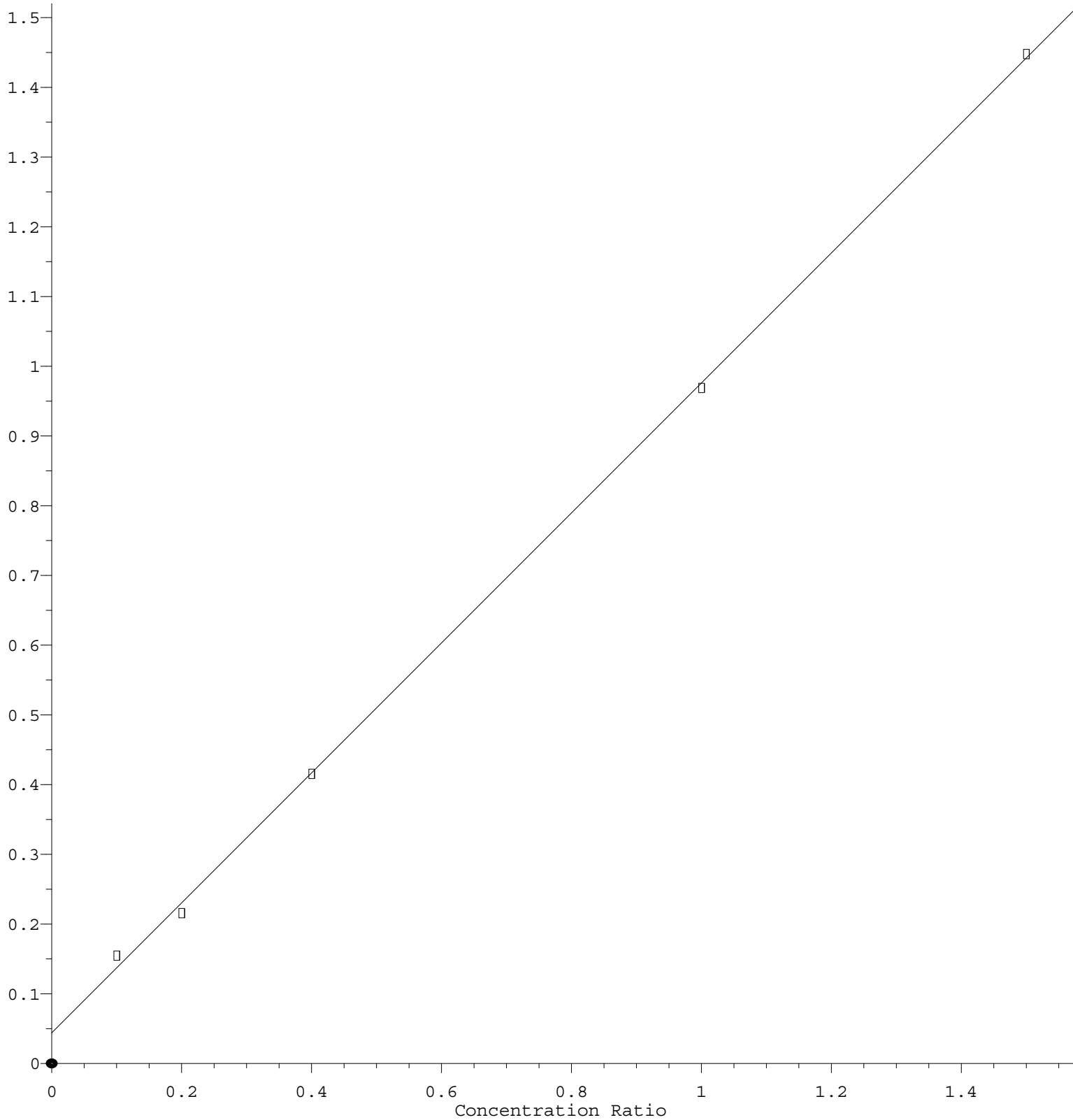
Coef of Det (r^2) = 0.998914 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N102022W.M

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Bromomethane

Response Ratio



$$\text{Response} = 9.318\text{e-}001 * \text{Amt} + 4.405\text{e-}002$$

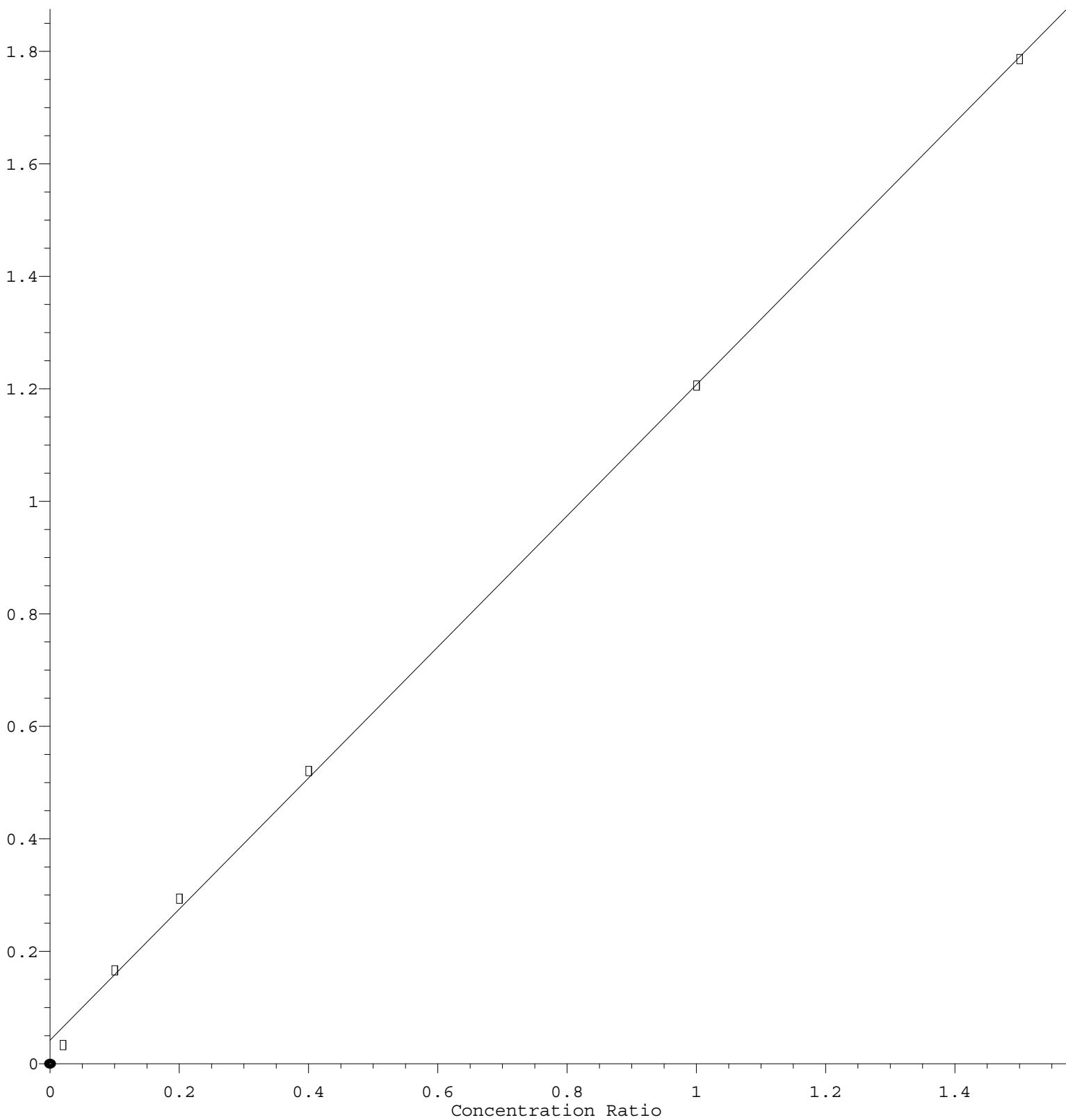
Coef of Det (r^2) = 0.999506 Curve Fit: Linear

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Vinyl Chloride

Response Ratio



$$\text{Response} = 1.166\text{e}+000 * \text{Amt} + 4.182\text{e}-002$$

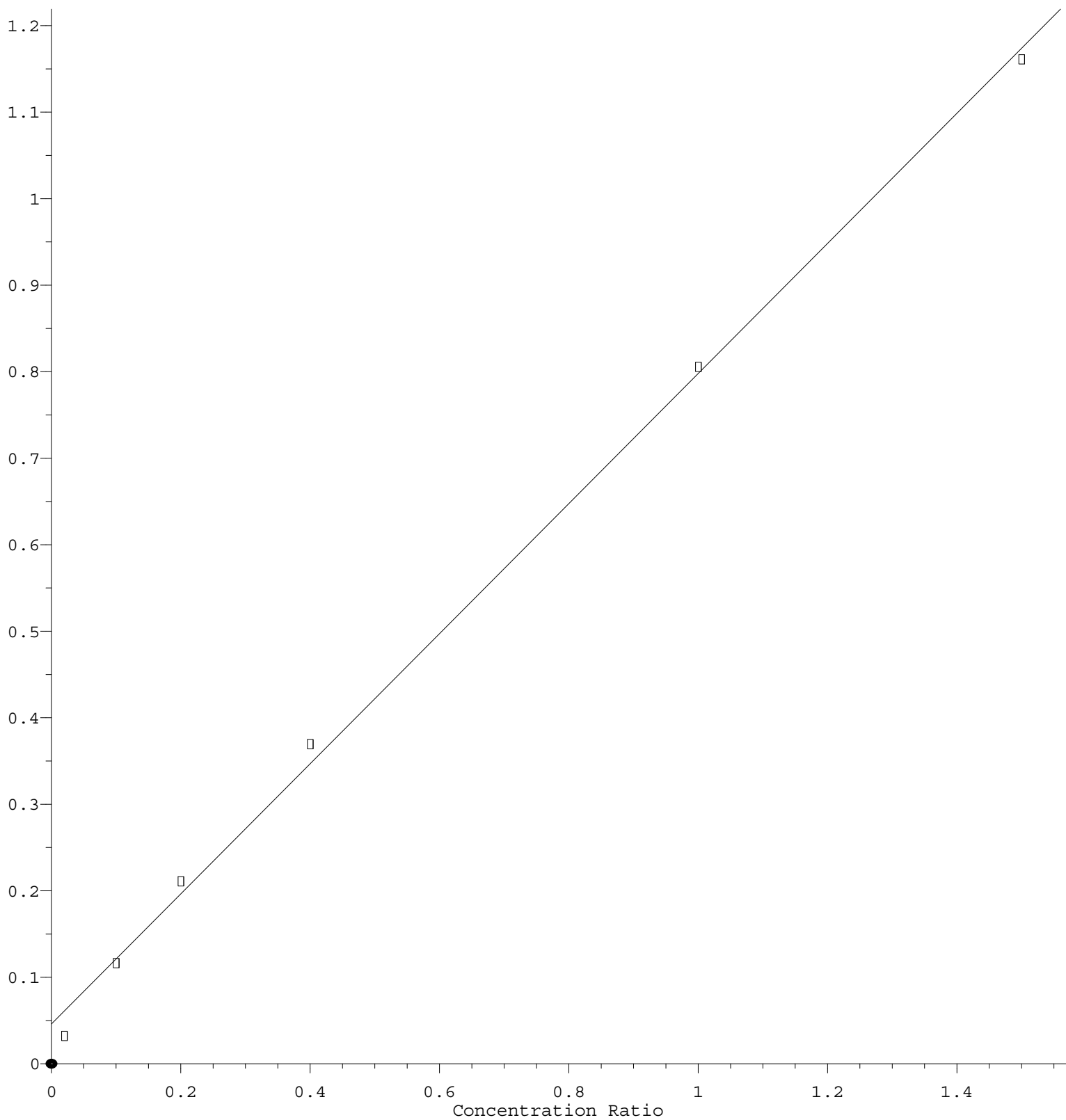
Coef of Det (r^2) = 0.999327 Curve Fit: Linear

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Chloromethane

Response Ratio



$$\text{Response} = 7.521\text{e-}001 * \text{Amt} + 4.561\text{e-}002$$

Coef of Det (r^2) = 0.998159 Curve Fit: Linear

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